

## 'Oscillators'

*Pré-program*

**Thursday, 11<sup>th</sup> October, 2018**

8h45	Coffee and welcome
9h00	<b>Introduction</b> : Co-responsible of Collegium SMYLE
9h10 –9h45	<b>Oscillateur physique théorique</b> (1) <u>To be defined</u>
9h45 –10h20	<b>Ultra Low-power MEMS-based Radios for the IoT</b> Christian Enz, EPFL, <a href="https://iclab.epfl.ch">https://iclab.epfl.ch</a>
10h20 –10h50	Coffee break
10h50 –11h25	<b>Low noise oscillators for aircraft application</b> Loïc Braun, AR Electronique, <a href="http://www.ar-e.com">http://www.ar-e.com</a>
11h25 –12h00	<b>De la radiofréquence à l'optique</b> (1) <u>To be defined,</u>
12h00	<b>Lunch</b>
13h30 –14h45	<b>Short oral presentations and 1<sup>st</sup> poster session</b>
14h45- 15h20	<b>Astronomical oscillators</b> François Vernotte, Laboratoire UTINAM, <a href="http://www.utinam.cnrs.fr">www.utinam.cnrs.fr</a>
15h20 –15h55	<b>Oscillations du climat depuis 2.6 millions d'années : analyse du passé pour anticiper le futur</b> Michel Magny, Laboratoire de Chrono-Environnement, <a href="https://chrono-environnement.univ-fcomte.fr">https://chrono-environnement.univ-fcomte.fr</a>
15h55 –16h30	<b>Digital Musicology</b> (1) <u>To be defined,</u>
17h00-18h30	<b>Games</b> (place to define, depending on weather)
19h00-21h30	<b>Quizz &amp;Dinner</b>

(1) Subject/title to be determined

## ‘Oscillators’

Friday, 12<sup>th</sup> October, 2018

8h45	Coffee and welcome
9h00 –9h35	<b>Phénomène oscillatoire de l’interaction laser-matière</b> <u>Yves Bellouard</u> , EPFL, <a href="https://galatea.epfl.ch/">https://galatea.epfl.ch/</a>
9h35 –10h10	<b>Trapped Ion Clock on a Chip</b> <u>Clément Lacroute</u> , FEMTO-ST, <a href="http://www.femto-st.fr">www.femto-st.fr</a>
10h10 –10h40	Coffee break
10h40 –11h20/30	<b>Title (1)</b> <u>Samuel Deleglise</u> , Lab. Kastler Brossel, <a href="http://www.lkb.upmc.fr">www.lkb.upmc.fr</a>
12h45	Lunch
14h15 –14h50	<b>Nonlinear delay oscillators</b> <u>Laurent Larger</u> FEMTO-ST, <a href="http://www.femto-st.fr">www.femto-st.fr</a>
14h50 –15h25	<b>Oscillators, production (1)</b> <u>Max Olivier Hongler</u> EPFL, <a href="http://www.epfl.ch">www.epfl.ch</a>
15h25 –16h00	<b>Oscillators that measure the Earth</b> <u>Ilan Vardi</u> , EPFL, <a href="https://instantlab.epfl.ch/">https://instantlab.epfl.ch/</a>
16h00	Coffee break and end

(1 ) Subject/title to be determined